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Adelaide Hills Amateur Radio Society Inc Midyear 2019 Newsletter



PRESIDENT'S COLUMN

G'day folks, this is Phil VK5SRP, with the President's notes for the Members Newsletter.

It is almost half way through 2019 already, how time flies when we are having fun. The work on the repeater site has restored RAD to its former glory but there is still some work to be done with internet linking.

Work on the second shed at the Girl Guides site has progressed slowly but surely. Most of us are getting too old to clamber up ladders and have had to rely on the few younger members to do that for us. The Girl Guides are going to use that shed to store their archive "stuff" and they have a vast collection, far more than I think will fit in the shed. They are talking of putting a shipping container next to the shed. Thank you to all who have helped with this project and a special thank you to Barry, VK5BW, for running this project and turning up at the site some week days to get the work done.

I attended the WIA AGM in Sydney on the 25th to the 27th of May. The formal AGM part of the weekend was over in about two hours and then after a lunch it was on to the technical sessions/seminars. Eight sessions on the Saturday but as they were run two at a time it was only possible to attend half of them.

The days of the problems within the WIA are past now and the organisation has made good progress over the past two years. Let me remind you of just how important the WIA is to us, it is our link to the ACMA and through that to Government. If you are not a member or you let your membership lapse recently get back on board. Also to keep up to date with what is happening to Amateur Radio, read the WIA bi-monthly Amateur Radio news letter. I know many Amateurs were disappointed this publication went to six issues a year but this was necessary to keep the WIA viable. (Cont page 2)

EDITOR'S BLURB

Our previous publishers and proofreaders (Kaye and Michael (VK5FMTR) Roden) have had to relinquish those roles due to ill-health. Many thanks to them for their reliable and quality support over the past five years or so.

I have now engaged Hans (VK5YX) and Lesley (VK5LOL) to proofread the newsletter, and thank them very much for their agreement to do so.

In April, I conducted my first national park activation! Getting started was a bit of a challenge, but once I was on the air, all Hell broke loose. To old-timers such as Paul (VK5PAS), John, (VK5BJE), and others, it's all old hat, but it was a bit hectic for me. See page 8.

Deceased Estates continue to keep a few of us people busy: as there is quite a backlog of work to be done. I recommend that members try to sell their own excess equipment via VK Ham, or at our Buy and Sell (Nov. 3). We may have to tighten requirements for eligibility for our services in the near future.

ALARA matters: we have news from Shirley (VK5YL), and ALARA contest details from Marilyn (VK5DMS). Remember that the ALARA contest is also for OM's.

John, VK5EMI, Editor. (---... ---!!)

PRESIDENT'S NOTES (Cont).

With only about three thousand three hundred members money is very tight. This year the WIA will have an expense of about \$40,000 to send delegates to the World Radio Conference. This is most important as we must fight to keep our bands in the face of international pressure by governments all over the world to sell off our spectrum to organisations wishing to make use of this scarce resource.

The WIA is looking at several alternative strategies to get back to a monthly newsletter, one suggestion is to still have the six issues a year of Amateur Radio publication and to introduce monthly or bi-monthly email bulletins with mostly technical content. This will mean the WIA will need more volunteers to submit technical articles.

A highlight of the weekend for me was the visit the DURAL facility of Amateur Radio New South Wales on the Sunday. I will run a slide show of this event at the June General Meeting and I am sure you will be amazed at what they have and what they do there.

It was very clear we all have to promote and to explain what Amateur radio is and what it does for our community. We need to educate our politicians and our media organisations. One sad statistic that came out of discussion was that about 80 percent of F call graduates do not stay with the hobby for more than three years. We must all do something to make these folk feel welcome and to help them progress in the hobby.

One final word, this years AHARS Buy and Sell will be held at the Marion RSL on the third of November, a very good venue with excellent parking.

Phil Storr, VK5SRP. President AHARS.

INSPIRING RADIO.

"OH MY GOD:"

"My friend had an office near a massively overpowered AM transmitter. Sometimes it would arc to a nearby tree and the spark would sound exactly like a really loud distorted person talking. There was a metal fence nearby that very faintly emitted sound. Picking up a disconnected phone anywhere in his office let you listen to the transmission perfectly clearly. If also f**d with all their electronics and everything required extra shielding. The best part was the station was religious 24/7, so you could pick up the very clearly disconnected phone, and yell "OH! MY GOD JESUS IS CALLING" and hand it to a friend, and it would be a radio preacher talking about fire and brimstone or whatever."

FROM <https://i.imgur.com/GeQDDnS.jpg?1>

(Thanks to my anonymous son for this inspiring snippet—Ed)

ANTENNA HEIGHTS UPDATE:

Two-way parley between Barry (VK5BW) and John (VK5FGRK.)

Sent: Sunday, 24 February 2019 9:55 PM

Subject: Re: Antenna Mast Heights

John,

You are correct, the height for a self supporting mast is 10 metres, but about 7 for one that is attached to a building or for other purposes. There are some areas that are controlled by corporations that will not allow any form of mast at all, there is not much that can be done about that, you would have to take them to court, but there would not be a guaranteed outcome on that.

The 10 M mast was battled for against one of the big councils on the southern shore here in Adelaide, and the Council lost, so it was incorporated in the Govt regulations as you have found (it cost the Council heaps !), but now is almost Australia wide !

Hope this helps,

Regards & 73, VK5BW.

PAGE 3		2018 CLUB PROGRAM	
DATE & TIME		EVENT	LOCATION
Regular gatherings	2nd & 4th Fridays	Regular Luncheons (All welcome)	Blackwood RSL, Brighton Parade
	2nd Fridays	ALARA Luncheons	Contact Jean, vk5tsx@bigpond.com
	2nd Saturdays	(CATS)*	The Shack
	4th Saturdays	Technical mornings (TBC)	The Shack
JUNE	20	Parks & Peaks : Application by Sue Southcott VK5AYL	BCC (Blackwood Community Centre) Waite St, Blackwood.
JULY	18	History of Amateur Radio by Mike McGuire VK5ZC	BCC
AUGUST	15 17-19	Pioneers of radio and audio in SA by David Murphy Remembrance Day Contest, and ILLW contest	BCC
SEPTEMBER	19	TBA	BCC
OCTOBER	17	TBA	BCC
NOVEMBER	3	Annual Buy and Sell	Marion RSL clubrooms
	11	Remembrance Day	
	21	General Meeting : Members show and tell and project judging	BCC
	24	AHARS Christmas Lunch	Venue TBA
DECEMBER		No meeting	
Details up to date as at 10-Jun-2019.*		*CATS = Coffee At The Shack (what else?). Also see the AHARS website : http://www.ahars.com.au/upcoming-events.html	

ALARA NEWS: The following URL will give readers a comprehensive list of YL nets around the world.

<https://ylharmonics.org/wp-content/uploads/2019/05/YL-Nets2.pdf>

Lyn, VK4SWE lyn@sweers.com.au (our web mistress and also Facebook coordinator) is also net control on the ANZA net on a Thursday and if she is unable to be there it's up to me to run the net. We get check-ins from all over the world and it is a lot of fun. ANZA (Australia, New Zealand and Africa) net time is 0515UTC every day on 14.183 MHz with another net at 0415UTC on 21.205MHz.

We have been following the journey of Jeanne Socrates, a 76 yr old very brave lady, battling the oceans on a round the world solo trip on her yacht. She has travelled from Vancouver since late last year and is at present East of New Zealand. She had a rough time through Bass Strait but is happy now to be in calm, warm seas heading for home in the Pacific. 6 - 8 meter swells are not my idea of fun!!!

73, Shirley, VK5YL.

FOOTNOTES: 1. ALARA ECHOLINK SKEDS: Run by Shirley, endsodds@internode.on.net, or VK5YL.

2. See page 4 for details of the 39TH ALARA CONTEST

AUSTRALIAN LADIES AMATEUR RADIO ASSOCIATION INC.

A0031101B

39TH ALARA CONTEST

NOTE: *Contest is always on the last FULL weekend of August.*

ELIGIBILITY: All licensed operators throughout the world are invited to participate.

OBJECT: Participation: YLs work everyone, OM's work YLs only.

CONTEST: Combined phone and CW run over 24 hours:

STARTS: **Saturday 24th August 2019 at 0600 hours UTC**

ENDS: **Sunday 25th August 2019 at 0559 hours UTC**

SUGGESTED FREQUENCIES: All HF Bands to be used except 160m & WARC Bands.

Contacts made on Echolink will also be accepted.

OPERATION: Single operator only (1 operator per call sign)

NB: If YL is operating as a 2nd operator, her husband/partner **CANNOT** participate in the contest.

Every individual phone or CW contact may be counted.

There must be an interval of greater than 1 hour between contacts with any one station on any one band and in the same mode.

All contacts must be made in accordance with operator and station licence regulations.

PROCEDURE: Phone: call "CQ ALARA CONTEST"

CW: YLs call "CQ TEST ALARA"

OMs call "CQ YL"

EXCHANGES: ALARA member: RS or RST, serial no. starting at 001, ALARA member, name.

YL non-member, OM: RS or RST, serial no. starting at 001, name and whether YL or OM.

OMs work YLs only.

SCORING:

Phone 5 points for ALARA member logged.
4 points for YL non-member logged
3 points for OM logged .

CW **All contacts made on CW count for double points**

OM 5 points for ALARA member logged

4 points for YL non-member logged

LOGS: Single log entry. Logs must show date, UTC time, band, mode, call sign worked, report and serial number sent, report and serial number received, name of operator of station worked and points claimed.

Please note in mode if contact is on Echolink.

Paper logs and electronic logs both welcome.

LOGS MUST show full name, call sign and address of operator, and show final score (points claimed). **ELECTRONIC LOGS MUST BE IN A FORMAT WHICH CAN BE PRINTED BY MICROSOFT WORD OR MICROSOFT EXCEL.**

Logs must be legible. No logs will be returned. Decision of the Contest Manager will be final, and no correspondence will be entered into.

Logs must be received by the Contest Manager by: **30TH SEPTEMBER, 2019.**

CONTEST MANAGER: Mrs Marilyn Syme VK5DMS

14/142 Marian Rd.

Glynde SA 5070

AUSTRALIA

OR: alaracontest@wia.org.au

Continued on page 9.

The Three Amigos

Peter Whellum VK5ZPG took up a Law Degree through Charles Darwin University at the tender age of 64, for which he was subsequently awarded an Honours Degree in Law and offered a PhD scholarship by The University of Adelaide..

Peter (photo centre), formerly of Quorn and now residing in Balaklava, receives our sincere and hearty congratulations following the conferral of a PhD in Law from the University of Adelaide Law School on 31 December 2018.

In addition, the 2018 Dean's Commendation for Doctoral Thesis Excellence was awarded to Peter for his landmark contribution titled:

"The Administration of Justice in the Anangu Pitjantjatjara Yankunytjatjara (APY) Lands: A Front Line in Tensions Between Traditional Aboriginal Culture and the Criminal Law."

On Sunday 6th January 2019, two other 'AHARS Doctors', Leigh Turner VK5KLT (photo left) and Doc Wescombe-Down VK5BUG (photo right), visited Peter at home in Balaklava to offer their congratulations on such a magnificent seven and a half years of high level academic achievement.

They were also responding to Peter's request for advice on a station aerial installation with which he could embark upon some HF radio activity in a new and restricted environment.

The Three Amigos enjoyed the visit immensely, including a site inspection, discussions regarding realistic options, eventual decision-making, much discussion on eclectic 'other topics', all punctuated by 'old man banter' as only this trio could generate, and topped off with a great lunch at the Terminus Hotel in the town. A lovely day was enjoyed by all.

Fantastic effort and a wonderful outcome, Peter: the AHARS committee and membership are certainly very proud of your accomplishments!

Enjoy your new QTH and best wishes for lots of radio fun on HF

From David, VK5BUG, Jan 11, 2019.



WHAT IS IT?
Pink Floyd (aka "Spud" Murphy) is thinking just that.
Before turning to page 10 for the answer, see if you can guess.....
Hint "Warning on back states "Do not attempt disassembly..."



INTRIGUE Part 1

Cold War Days.

Another most interesting story from Doc.

Note that this succeeds the story in the book "Wireless Men & Women at War" Pages 149-9.

I do not have any photographs as cameras were not permitted & I was not awarded any citations or medals because what we did could never be acknowledged. It was the Cold War.

However I did serve at sea in both the Arctic & Antarctic ocean areas in the role of a NATO MF CW surveillance & deception 'spook'. During five years maritime operation as a Senior Radio Officer aboard trawlers, ice-breakers and sundry other craft, my role was to accumulate, initiate & mimic operator keying characteristics & transmitter footprints in the 500kHz band (now 630m). All designed to create confusion & therefore communication delays and suspicion, at least.

I was trained in Hawaii during late 1971 to increase my Morse transmission & reception skill level from 35 to 42wpm in several European languages, particularly my second language of German (DDR operations).

In the RAN I was a Radio Supervisor (Petty Officer), cryptographic & Morse code specialist. A Marconi School of Wireless First Class Commercial Operators Certificate of Proficiency (1969-72) was also a pre-requisite, as were second language (European) reading & writing proficiency, and extensive small ship seagoing experience (patrol boats & minesweepers in my case). No room for squeamish tummies in the 100ft rollers of the Southern Ocean or creating/repairing wire aerials in 80 knot Arctic winds @ minus-20C!

Deployment was varied, random & aboard many different craft under diverse NATO flags. They were heady days: parallel to Bletchley Park at sea I suppose. I had my operational task briefing for each voyage but the rest was up to me; what I heard, observed, intercepted, evaluated, recorded and so on. There were no shore landings for 'spooks', save embarkation & disembarkation for each task. Watching glaciers 'calve', talking to Beluga & Orca whales and giant albatross were very regular pleasant connections. The North West Passage, Murmansk, Scapa Flow, Greenland, Iceland, Falklands, South Orkney Islands, Heard Island, Macquarie Island, McMurdo Sound, Cape of Good Hope, Cape Horn, Kerguelen Island, Shetland Islands, northern Scandinavia, west coast of Alaska, Vladivostok, Aleutian Islands, Rostock, Bremerhaven & a host of other delicious DX locations were all 'sail around' or 'sail past' without stopping...ears fully alert all the time.

I understand there were many of us from different nationalities over many years, but I was never knowingly able to engage another 'spook' in conversation, but that is the nature of all things 'national security'. What a shame it appears to not be treated as seriously by politicians of today. Certainly the most rewarding and satisfying job I have ever enjoyed, for I always knew I was using a unique skillset to make a difference.

Today, digital modes are what most seem concerned about. Where is the personal operator skill in those wallet-based, commercial brands & robot-to-robot endeavours? But that is another story for another time.

73 John, de Doc.

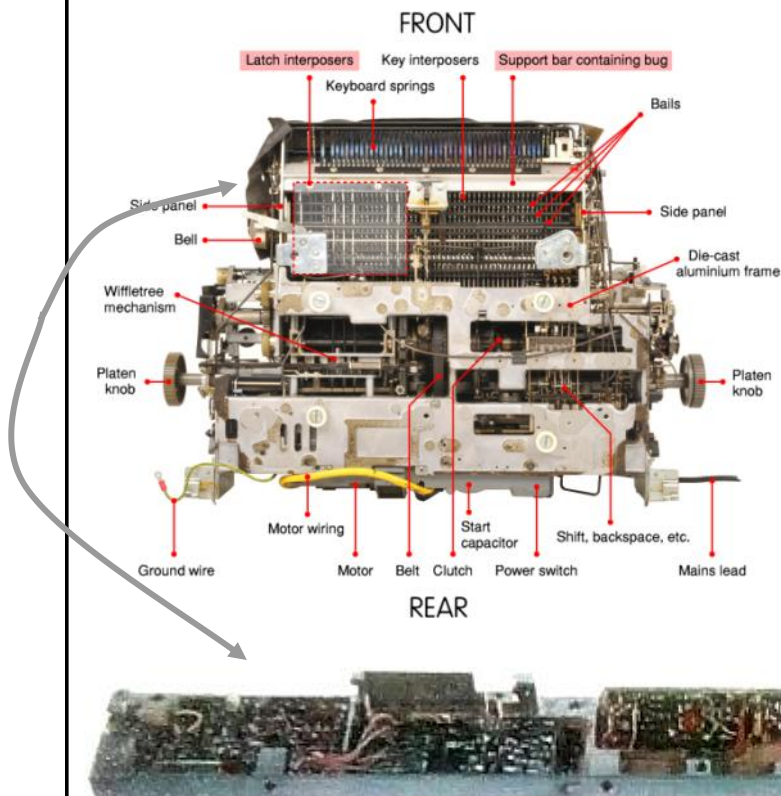
Thanks Doc, for this most interesting story, and for your valuable contribution to World Peace.

INTRIGUE Part 2

IBM Selectric Bug

Operation GUNMAN - how the Soviets bugged IBM typewriters

The Selectric Bug was a sophisticated digital eavesdropping device, developed in the mid-1970s by the Soviet Union (USSR). It was built inside IBM Selectric II and III typewriters [4] and was virtually invisible and undetectable. A total of 16 devices were found inside typewriters that were in use during at least 8 years at the US Embassy in Moscow and the US Consulate in Leningrad. 1



The advanced digital bug-ging device was built inside a hollowed-out metal supporting bar that runs from left to right inside the IBM typewriter. It registered the movements of the print head (ball), by measuring small magnetic disturbances caused by the arms that control the rotation and elevation of the print ball. A typical IBM Selectric II typewriter is shown in the image on the right.



The bug was fairly large and consisted of state-of-the-art integrated circuits and single-bit core memory. It was completely hidden inside a hollow support bracket at the bottom of the keyboard mechanism, and was invisible to the naked eye, but also to the detection equipment of the era. Only an [X-ray scan](#) could reveal the presence of the device, which is shown in the image below. It contains special components to hide its presence even from non-linear junction detectors (NLJD). The Selectric Bug can be seen as one of the world's first keystroke loggers. It was the first known attack by the Soviets on a plaintext device instead of a [cipher machine](#). Modern variants of such loggers exist as software (in the same way as a computer virus) and hardware, in the latter case commonly implemented as a small device that is installed between a computer and the keyboard. Both variants are used extensively today by criminals as well as by law enforcement agencies.

NB: The full article is about 10 pages long.

For the full story (worth reading), go to <https://www.cryptomuseum.com/>

VK5EMI GOES BUSH, : My first National Park Activation:. Mungo National Park, VKFF0370

When I mentioned that Dee (my wife) and I were going to Lake Mungo, Hans (VK5YX) suggested that I do an activation from the Mungo National Park. Who me? Do something a bit adventurous?
After a bit of preparation (registering with parksneaks.org) vide <http://parksneaks.org/getPark.php?actPark=MUNGO&submit=Process> , we were on our way, and a few days later, in the Mungo National Park itself.
I set up near the advertised frequency for my activation, had a few words with another operator on 7.144, then went down to my advertised frequency of 7.120. As soon as I put out a call, I was swamped with eager fellow amateurs, and the race was on. I didn't even have time to set up my little table for an organised exercise.
Despite a few moments of brain fade, I managed 55 proper QSO's scribbled into my half-ready log book. All good fun, with conscientious and capable people at the other end of each QSO, and good signal reports. I ran about 40 Watts PEP into my "V", my rig being my IC 706iig, tuner = Emtron EA300.
The supporting squid pole was guyed to campsite border posts (incidentally made from recycled plastic). I'd considered guying to nearby trees, but! When the local park ranger turned up, she congratulated me for not tying to trees! I smiled "knowingly". Yep, it pays to learn as much as possible in advance before setting up! (There's plenty of helpful information in the parksneaks site).
Thanks to Allen, VK3ARH for his help with my registration.
For more information, try <https://www.wvffaustalia.com/vkff-team.html>
John, VK5EMI/2.



With park ranger Michelle.



Operating from my well-setup station!

SUMMARY OF MY ACTIVATION, from http://parksneaks.org/getPark.php?actPark=VKFF-0370	Activation Count - 2 . Last activation by - VK5EMI on 2019-04-13	
	Date	User
	2019-04-13	VK5EMI

ERIC WOLFE, VK5IHQ/WB3IHQ, SK.

Many members will remember Eric, who was a member for the 12 months of 1995. His distinctive accent could often be heard on VK5RAD.

He studied Law here in Adelaide, being on a scholarship from the US Navy for his service in Vietnam.

Thanks to his wife, Denise, for forwarding his eulogy.

NB: Lebanon is a small city in central Pennsylvania, USA.

VA = Veterans' Affairs department. Ed.



Eric Randolph Wolfe

Lebanon - Eric Randolph Wolfe, 66, of Lebanon, passed away Wednesday, April 17, 2019 at the Lebanon VA Medical Center. He was the husband of Denise A. Murphy Wolfe. Eric was born in Lebanon on November 29, 1952, son of the late Roy E. and Virginia Dissinger Wolfe.

Eric was a Lebanon High School graduate. He was a Navy Veteran of the Vietnam War. Eric had been employed as a camera operator at Penn National Racetrack and had been formerly employed by the Lebanon Steel Foundry, Pennsylvania Precision and as a psychiatric assistant at the Lebanon VA Medical Center. He was a member of the Lebanon VFW Post 23, Doctors Without Borders and the Sierra Club. Eric was an avid amateur radio operator (WB3IHQ) and loved photography.

In addition to his wife, Eric is survived by two daughters, Gretchen R. Ward of Annville, Michele R. Foster of Omaha, NE, stepson Leonard I. Roth, Jr. 3 grandchildren, his aunt Joyce McCann of Alexandria, VA, numerous cousins including Jamie Mueller of Alexandria, VA.

Private family services will be held with burial at sea. In lieu of flowers family suggests memorial contributions in Eric's memory may be made to Hawk Mountain Sanctuary or Doctors Without Borders.

Arrangement entrusted to Porterfield-Scheid Funeral Directors & Cremation Services, Ltd, Lebanon. For further information please call 717-272-4634 or to share on line condolences visit www.porterfieldscheidfh.com
Published in Lebanon Daily News from Apr. 28 to Apr. 29, 2019

1998, Lebanon, Pennsylvania.

Eric (left), with Dee, the Editor and Denise. ➔

At a pre-Halloween party.

Eric and Denise visited Adelaide in 2004, and attended a lunch at the Blackwood RSL. Some members will remember that.

Denise became Eric's carer in later years



ALARA CONTEST, (cont from p. 4)

A trophy will be awarded for the following:

Top scoring Australian YL

Top scoring Foundation Licence ALARA member

The top scoring VK non-ALARA member will be awarded 1 year's subscription membership to ALARA.

Certificates will be awarded for the following:

Top score YL overall, YL phone only, YL Echolink, Australian YL CW, DX YL CW, DX YL, ALARA member in each country & VK call area, OM in each continent & VK call area, VK YL Foundation Licence holder.

Thanks to Marilyn, VK5DMS, for this information, Ed.

DOWN AT THE SHACK April 27th, 2019.



Girl Guides' SSRAC (Storage Shed Refurbishment Action Committee) in session.

Note the mural behind, ranked equal to "The Last Supper" by some, I'm told, Ed.



How to plaster, by the master. ↑
Above, Barry.

← Roy under the watchful eye of the PA Quality Assurance Committee.



DEMONSTRATION OF FREE-DV

(Free Digital Voice mode).

Peter (VK5APR) guiding Patrick (VK5MPJ) through the process.

Graham (VK5GM?) and Linden (VK5SWR) watching.

The exercise was deemed to be a success.

At the other end of the experiment was David VK5DGR



SPECIAL PRESENTATION AT THE SHACK:

In our last Newsletter, the Editor ("Ed" to some) promised a prize to anyone who could identify the mysterious item in a photo therein. Without delay, Jim, VK5TR, leapt back with the correct answer, receiving this well-earned and prestigious prize. (The item is an HP Frequency Converter model 5250, of course.)

QSL Corner

Hard copy QSL's are getting rare these days, but this lovely special one came via our club post office box just the other day.

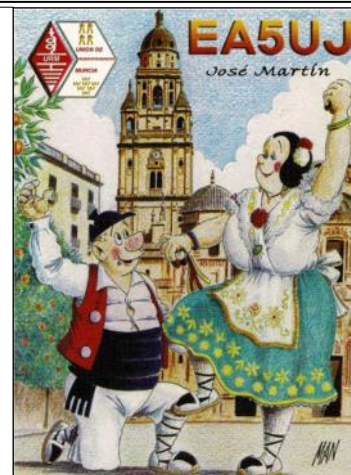
I still get a buzz from receiving such cards, even though this one is for VK5BAR.

The operator is Jose Martin, who lives in the city of Murcia, in south-eastern Spain.

The date is 13-April-2014.

Our operator was Paul, VK5PAS, working from Belair National Park.

No other hard copy cards have been received in the past 6 months.



eQSL for VK5BAR

5 QSL's in waiting (2011 JMMFD 'test) confirmed. Reason for delay? Unknown.

I am looking for a log/s for 2metre QSO's

3-Jan-2016

10-Apr-17,

8-Jan-18

12-Feb 18.

All probably from The Shack.

If anyone has any info, pls send it to me.

John, VK5EMI, QSL Manager.

Cartoon by
GIL, and courtesy of the
ARRL.

(If you don't
know what a
"fist" is, ask an
old-timer. Ed).



February, 1941

ESTATE REPORT

AHARS has currently about 20 estates in the books, dating from about 2015. About four of those are complete, two nearly complete, and about nine in progress. The status of the remaining six isn't known at this moment, but probably pending (waiting).

Thanks to those who have helped me with this time-demanding task; Barry (storage, testing and advice), Phil (pickup and storage, etc), Hans (testing), and Norm (sales.)

The value of many estate items is reducing year by year, so it's not unusual for an estate beneficiary to be disappointed with financial returns, or just how long it takes to wind up an estate. (but so are we workers!)

I currently have about 6 estates that I'm working on, and Barry (BW) at least 3:

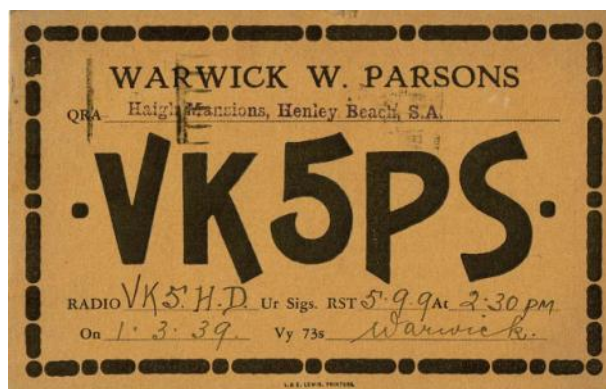
One of the rewarding aspects of managing estates is the interesting items that one comes by—sometimes an old bit of clever gear, the odd black box (lovingly crafted, but the function of which is a mystery), and even old QSL cards.

From the estate of Bill, VK5HD, I had the card at right:

Warwick Parsons was a member of the SA branch of the old WIA, and a person of some note, I'm told.

Maybe some of the "oldies" will remember him.

(Remember, if cleaning out anyone's QSL cards, please contact the WIA first—they have an history section, and will take cards of interest.)



John, VK5EMI, Estate Manager.

Adelaide Hills Amateur Radio Society Inc

GENERAL INFORMATION, NOTICES & CLUB CONTACTS

Club Projects

Saturday morning technical talks.
Details from Roy Gabriel, VK5NRG. Ph 8278 2522.

Amateur Radio Licence Study Courses and Examinations Foundation, Standard and Advanced Licences.

Please See Club Program For Dates
Location: The Shack, Blackwood.

Contact Sasi Nayar VK5SN
0417 858 547 or email vk5sn@wia.org.au

CLUB CONTACTS

Club President	Phil Storr VK5SRP 0428 835 621
Vice President	Barry Williams VK5BW Phone 8339 5683
Secretary	Trevor Molde VK5NIX 8235 0634
Treasurer	Pat Storr patstorr@adam.com.au
Licence Training	Sasi Nayar VK5SN See Opposite

Club Weekly Net on VK5RAD
Listen to or join in on Monday nights
from 8 pm to about 9:30 pm local time.
Receive frequency is 147.00 MHz, with -600 KHz offset.
Net Controllers: VK5's Jim (TR); Dean (5LB); Barry (BW); Roy (NRG); David (LSB); Lyle (WL), Steve (AIM).
All licensed amateurs are welcome.

VK5RAD (Crafer's Repeater)

The Repeater Controller is Barry Williams.
All enquiries, including requests for access, etc,
are to be made through him.
Phone 8339 5683 or email vk5bw@wia.org.au

Australian Ladies Amateur Radio Association (ALARA)

<http://www.alara.org.au/>

State Representative: Jean VK5TSX
Phone: 08 8322 0066

Encouraging women's interest and active participation in Amateur Radio.

ALARA was formed in 1975 by a small group of Australian ladies interested in Amateur Radio. Membership has now grown to over 200, with many Australian members sponsoring overseas YLs into ALARA.

The term "YL" stands for "Young Lady"
regardless of age.

The SA group meets at 12.00pm
on the 2nd Friday of each month
in the Police Club, Carrington St, Adelaide.

They have a net on 80 metres on Mondays
at 1000 UTC in winter and 1030 UTC during
summer (day light savings time) at 3.570 MHz.
There are also EchoLink skeds.

Meetings & Venue

AHARS meets on the third Thursday of each month, commencing at 7:30 pm., at the Blackwood Community Centre, Young Street, Blackwood.

A.G.M. February, each year.

Postal Address

A.H.A.R.S P.O. Box 401, Blackwood, 5051.

Website Address & On-Line Newsletter

The address for our website is:

www.ahars.com.au

Thanks to Paul Simmons, our
web-master.

Articles For The Club Newsletter

Projects, anecdotes, experiences, ideas, advice, etc, all make interesting and useful reading, and will be much appreciated.

Please forward direct to the

Editor- John Elliott VK5EMI

phone 8278 1269 or by email
(best)

to vk5emi@wia.org.au

Publisher-

John Elliott, VK5EMI

**The Next Newsletter
Will Be Published In
December 2019**